IEW&S
PROGRAM EXECUTIVE OFFICE

Aerial ISR Systems (AISR)

8 October 2003

Mark O'Neill
Chief, Aerial ISR Systems

Aerial ISR Systems

AISR Staff

Name	Title	Organization	FY03/FY04	
Mark O'Neill	Chief AISR	PMSW	1.00 MY	
Joe Matava	APM GR/CS	PMSW	1.00 MY	
Charles Crook	APM ARL	PMSW	1.00 MY	
MAJ Arner	APM CT	PMSW	1.00 MY	
Jeff Chiem	APM NCCT/AOCO	I2WD	1.00 MY	
Steve Winter	Project Support	SRA	1.00 MY	
Michele Jones	Admin	PM SW	0.50 MY	
Christine Kuntz	ILS Manager	PM SW	1.00 MY	
Denise Buckley	Program Analyst	PM SW	0.50 MY	
Ann Cosentino	Program Analyst	PM SW	1.00 MY	

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APM ARL Staff

Name	Government/Contractor	Location	FY03/FY04
John Proper	Government/Matrix (LRC)	Mount Weather, VA	1.0 MY/1.0 MY
Thomas Herron	Government/Core	Fort Monmouth, NJ	1.0 MY/.50 MY
Lawrence Smith	LSI/Contractor	Mount Weather, VA	1.0 MY/1.0 MY
Mary Laing	Sytex, Inc./Contractor	Mount Weather, VA	1.0 MY/1.0 MY
George Boras	Avenge, Inc./Contractor	Mount Weather, VA	1.0 MY/1.0 MY
Jay Mabrey	LSI/Contractor	Mount Weather, VA	1.0 MY/0 MY
Robert Appenzeller	Dragoon Technologies/Contractor	Mount Weather, VA	1.0 MY/1.0 MY
Robert Bender	Dragoon Technologies/Contractor	Mount Weather, VA	1.0 MY/1.0 MY
Robert Bender, Jr.	Dragoon Technologies/Contractor	Mount Weather, VA	1.0 MY/1.0 MY
John Proctor	Dragoon Technologies/Contractor	Mount Weather, VA	1.0 MY/1.0 MY
Art Hadley	Dragoon/Contractor	Mount Weather, VA	1.0 MY/1.0 MY
Barbara Mick	JB Management, Inc./Contractor	Mount Weather, VA	1.0 MY/1.0 MY
Christa Clark	LSI/Contractor	Mount Weather, VA	1.0 MY/1.0 MY
Dana Smith	CACI/Contractor	Hagerstown, MD	1.0 MY/1.0 MY
Ross Webb	LSI/Contractor	Mount Weather, VA	1.0 MY/1.0 MY
William Peters	Dragoon Technologies/Contractor	Mount Weather, VA	.50 MY/.50 MY
William Wheeler	Avenge, Inc./Contractor	Hagerstown, MD	.75 MY/.75 MY

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GR/CS Staff

Name	Title	Organization	FY03/FY04	
Nick Szymanski	Microprojects	SEC	1.00 MY/1 MY	
Allen Bright	Security/Accreditation		SOLERS	0.50 MY/0 MY
Nancy Grotts	Software	SEC	0.10 MY/0 MY	
Phil Minor	Software	SEC Contractor	0.50 MY/.10 MY	
Robert Yawn	Software	SEC Contractor	0.50 MY/0 MY	
John Thrippleton	TIBS Software	SEC Contractor	0.50 MY/.10 MY	
Raleigh Warner	Accreditation/Training		SEC Contractor	0.50 MY/.10 MY
Diree McGuire	GRS/JTT S/W Engr	SEC Contractor	0.10 MY/0 MY	
Charlie Moelius	ILS	LRC	1.00 MY/.25 MY	
John Sheran	Maintenance Engineer		LRC	1.00 MY/.50 MY
Frank McGahy	Readiness	LRC	0.15 MY/0 MY	
Marva Jones	Fielding	LRC	0.33 MY/0 MY	
Ann Caviglia	Fielding Provisioner	LRC	0.33 MY/0 MY	
Dennis Wilson	Training	Contractor	0.25 MY/.10 MY	
Gail Gillingham	Logistics	U2 Directorate	0.50 MY/0 MY	
Robert Belflower	Engineer	U2 Directorate	0.50 MY/.50 MY	

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GR/CS Staff

Name	Title	Organization	FY03/FY04
Keith Branning	Data Links	L-3/ILEX	1.00 MY
Brian Ratte	Test Bed	L-3/ILEX	0.75 MY
Karen Gentile	Technical Manager	I2WD	1.00 MY/.50 MY
Jeff Curtis	Test Bed Manager	I2WD	1.00 MY
Steve Farry	Test Bed	I2WD	1.00 MY
J.R. Shackleford	Sr. Systems Engineer	I2WD	1.00 MY/0 MY
Karen Hornberger		Accreditation	I2WD 0.50 MY
Ettore Ciaffi	DCP Lead	I2WD	1.00 MY
Michelle Shapiro	Test Manager	I2WD	0.50 MY/0 MY
Alex Cosentino	FIFF	I2WD Contractor	1.00 MY/.50 MY
Hoa Diep	System 2 Software	SEC	1.00 MY/1.00 MY
George Morris	Systems Engineer	CACI	.50MY/.50 MY

Aerial ISR Systems

Guardian Eagle Staff

Name	Title	Organization	FY03/FY04
Phil Giambalvo	Technical Lead	I2WD	1.00 MY
Cary Hsia	Systems Engineer, I&T Lead	L-3/ILEX	0.50 MY/.25 MY
Herman Redd	System Engineer Lead	I2WD	1.00 MY/.25 MY
Joe Urquhart	Test Coordinator, General Sprt	I2WD	1.00 MY/0 MY
Mike Jacobs	Systems Integration Support	CACI	1.00 MY/0 MY
Dan Byrd	Systems Integration Support	CACI	1.00 MY/0 MY
Rita Percy	Program Support	I2WD	1.00 MY/0 MY
Karen Hornberger	Accreditation	I2WD	0.25 MY
Rhandi Lawrence	Gov't Software Lead	SEC	0.50 MY/.25 MY
Kimber Todd	Software Support	L-3/ILEX	0.50 MY/.25 MY
Others	Software Support	L-3/ILEX	8.00 MY/1.00 MY
Dennis Wilson	Training Support	EPS	0.25 MY
LRC	Logistics support	LRC	0.50MY/.50 MY

Aerial ISR Systems

AOCO Staff

Name	Title	Organization	FY03/FY04	
Jeff Chiem	APM AOCO	I2WD	0.50 MY	
Louise Huntley	Program Support	I2WD	0.50 MY	/0 MY
Ed Estrada	Tech Lead	I2WD	0.50 MY	
TBD	Logistics Support	LRC	0.50 MY	
Armando Torres	COMINT S/W Support	SEC	0.50 MY	
Gary Bissett	ELINT S/W Support	L-3/ILEX	0.25 MY	
Rene Franco	ELINT S/W Support	SEC	0.25 MY	

Aerial ISR Systems

NCCT Staff

Name	Title	Organization	FY03/FY04	
Jeff Chiem	APM NCCT	I2WD	0.50 MY	
Ed Estrada	Tech Lead	I2WD	0.50 MY	
Charlie Moelius	Logistics/Depot	LRC	0.25 MY	
Randi Lawrence	S/W Lead	SEC	0.50 MY	
Carey Hsia	S/W Support	L-3/ILEX	0.50 MY	
Mike Masters	S/W Support	L-3/ILEX	0.50 MY	
G. Conover	S/W Support	L-3/ILEX	0.25 MY	

Aerial ISR Systems

GR/CS Staff

	FY03 MY	FY04 MY	FY04 $$	%Labor
AISR Staff	8.00	9.00	Overhead	
GR/CS	16.61	12.05	10.892	22.5%
GE	16.00	5.25		
Subtotal	40.61	19.4		
AOCO	3.00	2.50	Customer Funded	
NCCT	3.25	3.00	Customer Funded	
Subtotal	46.86	25.15		
ARL	19.1	16.75	6.207	42%
Total MY	65.96	41.50		

Aerial ISR Systems

King for a Day

- King for a Day
  - Get Out of Bldg 288 to ?
  - Add SCIF - JWICS/SIPRNET
  - Put CHALS Under Current AISR
  - Name IPF Lead
  - Core Recommendations
    - Karen Gentile
    - Jeff Curtis

Aerial ISR Systems

FY03 Achievements

- **GR/CS**
  - **Supported OIF With 3 of 4 GR/CS Systems**
  - **Materiel Release for System 2 Completed**
  - **Support the Network Centric Collaborative Targeting (NCCT) ACTD by Completing the Fabrication and Integration of the GUARDRAIL NCCT Interface Shelters (GNIS)**
  - **Test Bed Supported; Wildcat, GRFIN, and GE Testing**
  - **Fielded the AOCO ELINT SW at System 1**
  - **Fielded 3 A/C Remote Capability to System 4**
  - **Fielding GE Capability on System 4**

Aerial ISR Systems

ARL FY03 Achievements

- MARS III Deployed to Support SOUTHCOM
  - Embassy Very Satisfied With Support
- M4
  - Completed Calibration
  - Undergoing Operational Evaluation
- Started ASE Upgrades (M1, M2, M3)
- Completed Airspace 2000 Upgrade (Radio's, GPS, and NAV)

Aerial ISR Systems

Lessons Learned

- **Dig Deep at Reviews at Contractor's Facilities**
  - **Mandate SW Metrics and Review Monthly**
  - **Don't Always Believe the CSSR Report**
  - **Review ROMs & Cost Estimates in Detail**
- **What can Happen Will Happen**

Aerial ISR Systems

FY04 Events Schedule

GR/CS:

- **Field AOCO COMINT and AOCO ELINT at System 2**
- **Participate in JEFX-04 as Part of the Network Centric Collaborative Targeting (NCCT) ACTD Demonstrating the NCCT Capability of GR/CS Interfacing With Rivet Joint, EP-3, JSTARS and AWACS**
- **Test Bed Support; TARPIS, Electra, NCCT, FDIS, AJCN ACTD Demonstrations and Testing**
- **Field JTT Upgrades**
- **Field Data Link Upgrades**
- **Support DCP Efforts**
- **Support Sustainment Efforts**

Aerial ISR Systems

FY04 Events Schedule

ARL:

- **Field M4 & M6**
- **Determine Suitable Replacement for COMINT Subsystem (C-A/C)**
- **Start Modifications to M5**
- **Complete ASE Upgrades (M1, M2, M3)**
- **Award CLS Contract**

Aerial ISR Systems

Long Range Events Schedule (FY05-09)

- Field NCCT to GR/CS (FY05-FY07)
- ARL & GR/CS Build FY06 POM
- Field M5
- Field DCP Initiatives

Aerial ISR Systems

GR/CS Issues

- NCCT Participation
  - What Level do we Participate at?
  - System Availability and Funding are Main Issues
- Funding
  - How do we get Procurement Funding to Implement HW Changes Associated With DCP Initiatives Across Fleet to Keep Systems Relevant
  - Test Bed Funding ($1M)
  - GE FY04 UFR to Complete Fielding ($850K)
  - Data Link and JTT Funding to GRIFN SAT Impacts Both Efforts
- IPF Upgrades - What is the Plan?
- Where can $’s be Leveraged From ACS to Support Technology Upgrades to ARL/GUARDRAIL?

Aerial ISR Systems

ARL Issues

- M4/M5/M6
  - Cost and Schedule
- HISAR Replacement
- COMINT Replacement
- Future of MARS III - Do we do More?
- Control Over Mount Weather Funding Accounts
- Funding
  - How do we Keep Systems Relevant
- Where can $'s be Leveraged From ACS to Support Technology Upgrades to ARL/GUARDRAIL?

Aerial ISR Systems

GR/CS and ARL Life Cycle

	FY06	FY07	FY08	FY09	FY10	FY011	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19
GR/CS System 3 & ARL M1-M3 **3rd MI BN**				Retire GR/CS Sys 3		Field GR/CS Sys 2		Retire M1-M3	Field M4-M6		Retire GR/CS Sys 2 Retire M4-M6		ACS Sys 5	
GR/CS System 1 **224th MI BN**					Retire GR/CS Sys 1		ACS Sys 2							
ARL **C1-C2** **M4-M6** **204th MI BN**							Retire C1, C2 M4-M6 to USFK		ACS Sys 3					
GR/CS System 4 **1st MI BN**											Retire GR/CS Sys 4		ACS Sys 4	
GR/CS System 2 **15th MI BN**			GR/CS Sys 2 to 3rd MI BN				ACS Sys 1							